

yellow hairs project between the eyes. Palpi with blackish, somewhat outstanding scales and bristles. Proboscis with similar coloured closely appressed scales. Disc of thorax covered with blackish-purple spindle-shaped scales, lateral and posterior margins with yellow scales, which are most numerous on the anterior half of the mesonotum, where they form a more or less distinct lateral spot. Prothoracic lobes with a few cream-coloured scales and black hairs. Anterior and posterior femora, except for their apices and the posterior side, and the middle femora except for its apex, golden yellow. Coxæ with cream-coloured scales. Hind legs without very densely outstanding scales. Fourth hind tarsus white, last hind tarsus dark.

Wings dusky brown, with brown scales and veins. Hind cross-vein not less than its length from small cross-vein. Abdomen with white scales on the first segment and hind angles of all the other segments except the last one, reddish-purple scales on second segment, and dark purple on all remaining segments. Under side of all segments except the last with apical bands of white scales. First two segments golden yellow, with white scales all over. Length, 5.5 mm.

Habitat.—Pueto Max, Paraguay.

Season when found, January to April. Taken by Verzényi in 1905. Described from a single female.

Differs from *Janthinosoma varipes* (Coquillett) in that the disc of the thorax is entirely covered with dark scales.

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RHYNCHOTA INDICA (HETEROPTERA).

BY W. L. DISTANT.

Fam. BERYTIDÆ.

Hubertiella cardamomi, Kirk., J. Bombay N. H. Soc. xiv. p. 303, pl. A, f. 16, pl. C, f. 5 (1902); Dist. Faun. Brit. Ind. Rhynch. i. p. 424, f. 249 (1902).

Mr. E. E. Green has sent me varietal specimens of this species in which the two dark spots on the posterior pronotal lobe are almost or entirely obliterated. These specimens were taken from *Strobilanthus* sp., so that the species is seen to be not entirely confined to *Elettaria cardamomum*.

Fam. TINGIDIDÆ.

Genus SERENTHIA.

Serenthia, Spin. Ess. p. 168 (1837). Type, *S. atricapilla*, Spin.

Serenthia carinata, sp. n.

Head black, a little elevated between the eyes; antennæ brownish ochraceous, fourth joint apically black, first and second joints short,

distinctly thickened, second a little shorter than first; pronotum black, the anterior margin and the apical area behind the lateral angles, dull pale ochraceous, distinctly, centrally, longitudinally carinate for its entire length, coarsely punctate; elytra finely areolate, excluding costal area, black for about two-thirds from base, subcostal area shaded with ochraceous, margins of the areolets black, or piceous except on costal area where they are ochraceous; body beneath black; legs pitchy-brown. Long. 3 millim.

Hab. Ceylon; Ambalangoda Lake (E. E. Green).

Allied to *S. gibba*, Fieb., from which it structurally differs by the pronotum being distinctly longitudinally carinate for its entire length. Taken from *Juncus* sp. (E. E. Green).

HEGESIDEMUS, gen. nov.

Elongate, narrow; shortly spinous; eyes inserted at base of head and close to anterior margin of pronotum; antennæ with the first and second joints short and thickened, second globose, shorter than first, third long and slender, fourth incrassate, a little longer than first and second together; pronotum strongly longitudinally tricarinate, the anterior lateral margins moderately dilated, hyaline and areolate, an anterior hood not covering base of head and which is centrally strongly longitudinally carinate, the anterior pronotal area distinctly convex, the posterior area or process angularly narrowed; elytra elongate, discoidal area extending to about the middle of the elytra and with its margins distinctly raised, subcostal area somewhat narrow, costal area hyaline, areolate, broadest on apical half, sutural area long and very finely areolate, more broadly so at apex; legs of moderate length and slender.

Allied to *Teleonemia*, Costa, from which it principally differs in the dilated, areolate lateral margins of the pronotum.

Hegesidemus elianus, sp. n.

Head piceous, eyes black; antennæ brownish ochraceous, the apical joint piceous; pronotum with the anterior area castaneous, the posterior area piceous, the longitudinal carinæ and sometimes the hood, more or less ochraceous, the lateral dilated margins hyaline, areolate, the margins of the areolets fuscous; elytra black or piceous; the costal area hyaline and areolate, the areolets in two longitudinal series, their margins fuscous, the discoidal area either altogether piceous, or brownish ochraceous with the raised margins darker, the disk rugulosely punctate, costal area hyaline and areolate, the margins of the areolets piceous or fuscous, sutural area piceous and with an intermediate pale spot near apex; sternum black; abdomen beneath testaceous, the base and apex black; legs brownish ochraceous; elytra longly passing the abdominal apex; other structural characters as in generic diagnosis. Long. 5 millim.

Hab. Ceylon; Nuwera Eliya (E. E. Green).

Taken from *Strobilanthus* spp. (E. E. Green).

Dr. Horváth (Ann. Mus. Nat. Hung. ix. p. 337), among some other proposed synonymy which will subsequently receive atten-

tion, has stated:—" *Galeatus*, Curt., Ent. Mag. i. p. 196 (1833) = *Cadmillos*, Dist., Ann. Soc. Ent. Belg. liii. p. 113 (1909); *id.* Faun. Brit. Ind. Rhynch. v. p. 107 (1910).

I have figured both these genera, and given differential structural characters, and must be content to leave these figures and descriptions to speak for themselves.

NEW SPECIES OF GEOMETRIDÆ FROM FORMOSA.

By A. E. WILEMAN, F.E.S.

Aracima serrata, sp. n.

Fore wings greenish yellow; crescent at outer end of the cell, and postmedial line dark purplish; the line bluntly serrated, indented above dorsum. Hind wings greenish yellow; postmedial line purplish, diffuse towards the costa, where there are clusters of purplish dots on each side of the line. Fringes of all the wings purplish. Under side yellowish, markings as above; the hind wings rather paler than the fore wings.

Expanse, 44 millim.

A male specimen from Rantaizan (7500 ft.), May 10th, 1909. Collection number, 1824.

Alcis arizana, sp. n.

Fore wings brownish with a faint purplish tinge, finely sprinkled with black atoms; ante- and postmedial lines black, the first indistinct, bluntly angled below costa, the second almost parallel with termen, bluntly serrate; space between lines paler, almost whitish; discal mark dusky. Hind wings similar in colour to median area of fore wings; postmedial line blackish, curved, and tapered towards the costa. Fringes preceded by a brown crenulate line. Under side of fore wings hardly paler between lines; a pale apical patch and smaller pale patch below middle of terminal area; lower two-thirds of postmedial line on hind wings double.

Expanse, 36 millim.

One example of each sex from Arizan (7500 ft.), September, 1906.

Collection number, 797.

Alcis brevifasciata, sp. n.

Fore wings ochreous brown; ante- and postmedial lines represented by black dots on the veins, each line from a blackish spot on the costa; basal patch blackish; discal spot black, oval, a diffuse spot above it on the costa; subterminal line whitish but not clearly defined, passing through blackish clouds at apex, above middle, and at tornus; area beyond the line powdered with blackish, black bars between veins in upper part. Hind wings ochreous brown, paler on costal area; a broad blackish central band, not extended to costa, enclosing black discal dot; terminal area barred with blackish as on